



BIR SINGH & SONS

*“ Powering Agriculture with Innovation
Since 1972 ”*



ABOUT US

We “Bir Singh & Sons” With Brand name “ Pammi ” Started our journey in 1972 at Samrala (Punjab) India. We are leading manufacturer and supplier of quality range of Agricultural Implements. We also manufacture wide range of products with latest technique and using quality tested material viz. Agricultural Machinery, Seed cum Fertilizer Drill Machine, Zero Till Seed Drill Machine, Rotavator, Multicrop Planter, Maize Planter, Maize Sheller & Dehuskar, Roto Seeder, Seed Drill Feeder Assembly, Super Seeder, Laser Land Leveller, Paddy Thresher, Wheat Thresher, Harambha Thresher etc.

**With Regards,
Sandeep Singh
Pammi- Bir Singh & Sons
Chandigarh-Ludhiana Road,
Samrala, Dist. Ludhiana
Mobile No. +9199149-05757**

OUR STATE-WISE NETWORK

- Punjab
- Haryana
- Rajasthan
- Gujrat
- Maharashtra
- Kerela
- Tamil Nadu
- Telangana
- Karnataka
- Bihar
- Uttar Pradesh
- West Bengal
- Odisha
- Assam
- Andhra Pradesh
- Chhattisgarh
- Jharkhand
- Madhya Pradesh
- Uttarakhand
- Jammu & Kashmir



MULTICROP PLANTER

SPECIFICATIONS :

- Model : PMCP-4, PMCP-5, PMCP-7, PMCP-9
- No. of Tynes: 4, 5, 7, 9
- Tractor Required :35 HP & Above
- Seed Metering Mechanism: Inclined Plate
- Fertilizer Metering Mechanism: Fluted Roller / agitator & Sliding Orifice Type

FEATURES

- Seed sowing with the help of precise Seed Metering .
- Higher yield with the help of depth control Mechanism wheel for better seed & fertilizer placement .
- Used for singulated planting of Maize, Sunflower, Soyabean, Cotton and other similar crps in prepared soil.
- Maintains plant to plant spacing in row.
- Superior quality furrow opener shovels .



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ZERO TILL SEED DRILL

SPECIFICATIONS :

- Model : PZTD-11, PZTD-13, PZTD-15
- No. of Tynes: 11,13,15
- Tractor Required : 40-45 HP, 45-50 HP, 50-55 HP respectively
- Row to Row Spacing: 7" & Adjustable
- Seed Metering Mechanism: Fluted Roller
- Fertilizer Metering Mechanism: Fluted Roller

FEATURES

- Fertilizer & seed sowing can be done at same time.
- Ideal for sowing wheat and other seeds.
- Suitable for Sowing in unprepared land.
- depth control wheel provided for sowing uniformly depth of seed and fertilizer.



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MULTI CROP RIDGE/ RAISED BED PLANTER

SPECIFICATIONS :

- Model : PMCRP - 4
- No. of Tynes: 4
- Tractor Required : 50-60 HP
- Seed Metering Mechanism: Inclined Plate
- Row Spacing: 24" & Adjustable
- Frame: Heavy Duty
- Fertilizer Metering Mechanism: Fluted Roller/Agitator& Sliding Orifice Type

FEATURES

- Suitable for sowing multiple crops like maize, cotton, sunflower, soybean, etc.
- Creates ridges or bed in a single pass for better water management.
- Customizable row spacing to suit different crops and field conditions.



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FERTILIZER SPREADER

SPECIFICATIONS :

- Size : Length- 45"| Width- 40"| Height- 46"
- Capacity : 600L
- Working Area : 8-10 meter.

FEATURES

- Ensures uniform fertilizer distribution across the field.
- Adjustable spreading rate to match different crop needs.
- Reduces fertilizer wastage, increasing efficiency and cost savings.
- Corrosion-resistant construction ensures longer life.
- Low maintenance.



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SPECIFICATIONS :

- Model : PSS-9/6 FT , PSS-11/7 FT, PSS-13/8FT, PSS-15/9 FT
- Tractor Required : 45-50 HP, 55-60 JP, 60-65 HP, 65-70 HP
- Seed Metering Mechanism: Fluted Roller
- Fertilizer Metering Mechanism: Fluted Roller
- Row Spacing: 8" & Adjustable
- Disc Type : SS Material
- No. of Blades: 42, 54, 60, 72
- Blade Type : L J F

FEATURES

- Combines stubble management land preparation and seed sowing in one pass.
- It is a combination of Rotary Tiller & Seed Planter with press control.
- Specially designed blades are used to tackle stubble & crop residue property
- Saves land from nutrient loss, saves time & cost for farmers.



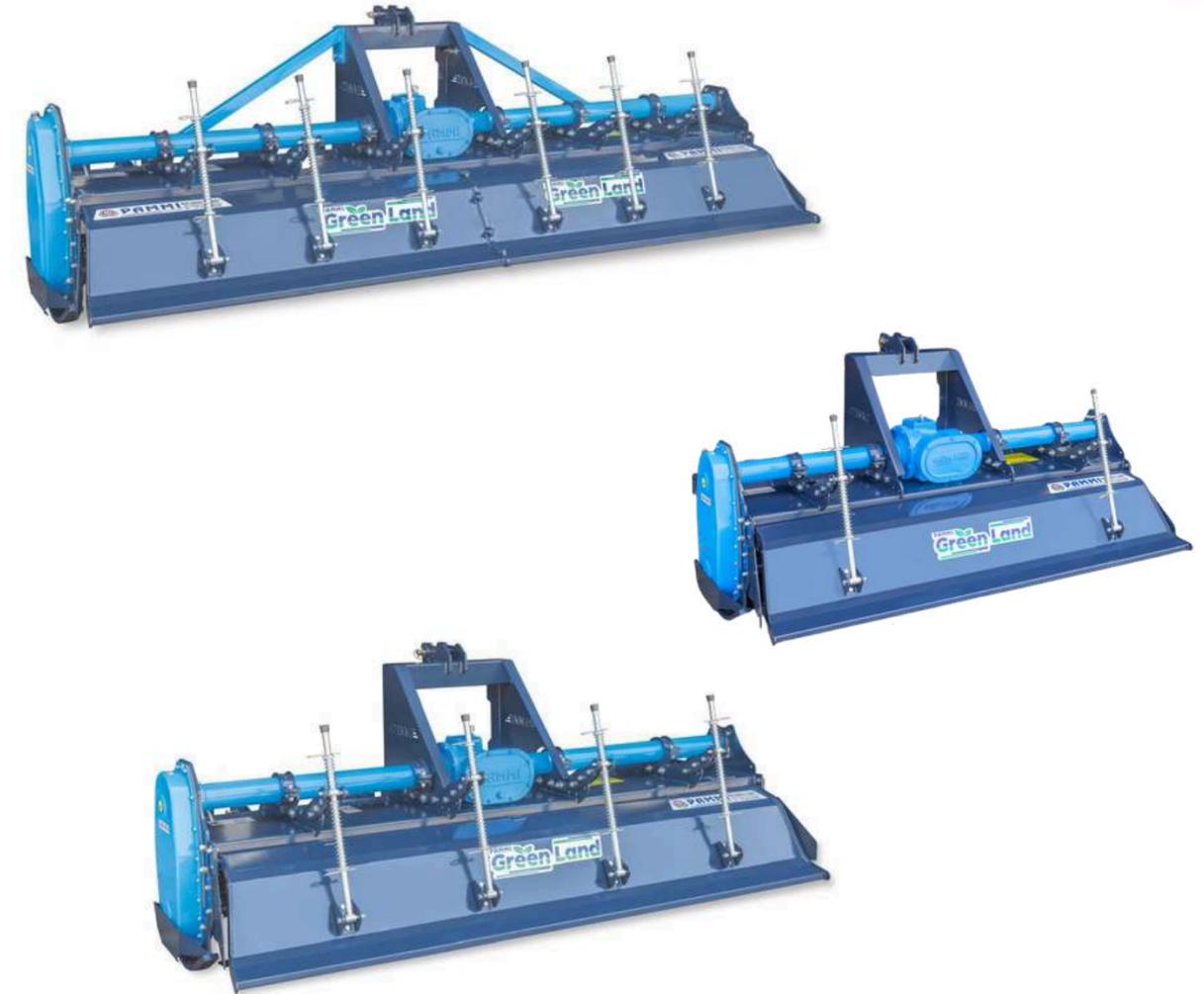
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SPECIFICATIONS :

- Model : PRT-4, PRT-5, : PRT-6, PRT-7, : PRT-8, PRT-9, : PRT-10
- Size(feet) : 4, 5, 6, 7, 8, 9, 10
- Working Width : 1220, 1605, 1870, 2110, 2360, 2743, 3020
- Tractor Required : 25 HP+, 35 HP+, 40 HP+, 50 HP+, 60 HP+, 65 HP+
- Gear Box : Multispeed (13 x 23)
- Side Transmission : Gear Drive
- Working Depth Control : Skids Fitted as Standard Equipment
- Number of Blades : 30, 36, 42, 48/54, 54/60, 66/72, 72/78
- Blade type : L C type
- Blade Material : Boron Steel

FEATURES

- Prepares fine seedbed quickly by pulverizing soil.
- Cuts, mixes, and levels soil in a single pass.
- Prepares all type of soil condition- light, medium, and hard.
- power coated point.



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DISC ROTAVATOR

SPECIFICATIONS :

- Available in : 5 disc, 6 disc, 7 discs, 9 disc

FEATURES

- Disc design works smoothly in stony, uneven, and dry fields where a normal rotavator struggles.
- Reduces tractor load and saves diesel during cultivation



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INTER ROW ROTARY WEEDER

SPECIFICATIONS :

- Size(feet) : 7 feet
- Working Width: Adjustable 3 Rows (14"/ 16" Singe Row)
- Machine Type : Tractor PTO Operated

FEATURES

- Mixes weeds and soil between crop rows .
- Increases crop yield by maintaining a weed-free environment.
- Eco-friendly solution.
- suitable for small and large farms.
- Save fuel, time & labour cost.



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LASER LAND LEVELLER

SPECIFICATIONS :

- Length / Width / Height : 3200mm / 2185mm / 2910mm
- Tyre : 6-16
- Tractor Power : 55 HP & Above
- Working Width (mm) : 2120
- No. of Wheel : 4
- Bucket Size : 7' & 8'

FEATURES

- Uses a laser-guided system for precise land leveling.
- Highly durable & low maintenance cost.
- Ensures uniform distribution of water across the field.



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ANIMAL / MANUAL SEED DRILL

SPECIFICATIONS :

- Type : Manually Operated
- No. of Rows : 1-3 rows
- Row Spacing : Adjustable
- Seed Metering Mechanism : Fluted roller (Also available in Notched Inclined Plate)
- Seed Hopper Capacity : 2-5 kg(per row unit)
- Frame Material : Mild steel or lightweight alloy
- Weight : 15-35 kg (approx.)
- Depth Control : Manual adjustment
- Operation Requirement : Single person
- Power Source : Manual

FEATURES

- Suitable for Small fields, hilly terrain, kitchen gardens.
- Ensures uniform seed spacing and depth.
- Lightweight, portable, and easy to operate.
- Enhances crop establishment and overall yield potential.



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DSR (DIRECT SEEDER FOR RICE MACHINE)

SPECIFICATIONS :

- Model : PDSR-9, PDSR-11
- No. of Tynes : 9,11
- Tractor Required : 40-50 HP, 50-60 HP
- Seed Metering Mechanism : Inclined Plate
- Fertiliser Metering Mechanism : Fluted Roller
- Seed Covering Device : Provided



FEATURES

- Sowing rice seeds directly in the field.
- Reduces water usage by up to 30-40%
- Improves soil structure and health by reducing standing water.
- Low maintenance and save labour cost.



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MINI ROTAVATOR

SPECIFICATIONS :

- Model : PGM-3, PGM-3.5, PGM- 4
- Size in feet : 3, 3.5, 4
- Working Width : 890, 1066, 1220
- Tractor HP : 15-20 HP, 20-25 HP, 25-30 HP
- No. of Blades : 16, 20, 24
- Gear Box : Single Speed Gear Box
- Side Transmission : Gear Drive
- Working Depth Control : Skids Fitted as Standard Equipment

FEATURES

- Perfect for inter-row cultivation, orchards, vineyards, and polyhouses.
- ideal for small farms and gardens.
- Suitable for low HP tractors
- Low maintenance



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ROTO PUDDLER

SPECIFICATIONS :

- Model : PRP-7.5, PRP-8.5, PRP-9, PRP-10
- Tractor HP : 35-60 HP, 45-60 HP, 50-60 HP, 55-60 HP
- Type of Blades : J Type
- Side Transmission : Gear Drive
- Working Depth Control : Skids Fitted as Standard Equipment

FEATURES

- Used for puddling in wetland fields.
- Suitable for use in standing water with low to medium HP tractors.
- Breaks soil clods and mixes water evenly, creating a perfect puddled field.
- designed for tough wetland conditions.



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ROTO CULTIVATOR

SPECIFICATIONS :

- Model : PRC- 6, PRC-7
- Size (feet) : 6, 7
- Working Width : 1870, 2110
- No. of Blades : 42, 48/54
- No. of Tynes : 4, 5
- Gear Box : Multi Speed Gear Box
- Side Transmission : Gear Drive

FEATURES

- Combines the functions of a rotavator and cultivator in one machine.
- Ideal for seedbed preparation in a single pass.
- Suitable for various soil types .
- Efficiently tills the soil while cutting and mixing crop residues.



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GYROVATOR

SPECIFICATIONS :

- Model : PGS- 6, PGS-7
- Size (feet) : 6, 7
- Working Width (mm) : 1870, 2110
- Tractor HP : 40-45 HP, 45-50 HP
- Gear Box : Multi Speed Gear Box
- Side Transmission : Gear Drive
- No. of Blades : 48/54, 60/66
- Working Depth Contrrol : Skids Fitted as Standard Equipment

FEATURES

- Effectively mixes crop residues into the soil,.
- improving fertility.
- Creates a fine, leveled seedbed .
- High-speed rotary tiller for efficient soil pulverization.
- Suitable for light & medium soil condition.



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MAIZE THRESHER (& MINI MAIZE THRESHER)

SPECIFICATIONS :

- Model : Convyor Lift & Self Feed Model.
- Size : 64'
- Power : 35 HP & Above
- Output Average : 3500 to 5000 kg per hour.

FEATURES

- Minimizes grain damage and loss .
- Suitable for small to large farms.
- Remove husk cover from maize corns while threshing.
- Safety cover provided on belt drive and shaft for the safety of the operation.



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MAIZE THRESHER

SPECIFICATIONS :

- Model : Super Deluxe
- Convenience : Elevator & Convere
- Output : 50+ Qtl. / Hour
- Fly Wheel : 2pcs.
- Power : 35 HP & Above
- Weight : 1625 kg approx.
- Drum Size : 64 inches.
- Fan : 4 Fans
- Paint : High Gloss , Anti- Gloss
- Tyre Size : 2/3/4 tyre set or 10-16-05 heavy tyre set available (as per requirement)



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HARAMBA CUTTER THRESHER

SPECIFICATIONS :

- Size : 32' & 36'
- Power : 35 & 50 HP
- Output : 1000-1500 kg/ hr
- Speed RPM - 700-750 RPM
- Machine Typ : Tractor PTO Operated

FEATURES

- Suitable for wheat.
- Performs threshing, separating, and cleaning in a single operation.
- High threshing efficiency with minimal grain breakage.
- Low maintenance and fuel-efficient operation.
- Safety cover provided on belt and pulley .
- Provided parking stand.



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PADDY THRESHER

SPECIFICATIONS :

- Model : GL 257- 4 Fans
- Drum Size : 36 X 72
- RPM : 650-700
- Fly Wheel : 2 Double
- Power : 35 HP & Above .

FEATURES

- Suitable for paddy .
- Performs threshing, separating, and cleaning in a single operation.
- High threshing efficiency with minimal grain breakage.
- Low maintenance and fuel-efficient operation.



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DISC HARROW

SPECIFICATIONS :

- Sizes : 7X7, 8X8, 9X9, 10X10
- Tractor Power (HP) : 40-45 HP, 45-50 HP, 50-55 HP, 55-60 HP
- Distance Between Disc (inches) : 9"

FEATURES

- It can be used in high or medium soil.
- High quality Boron steel disc.
- Useful for open field for superficial ploughing for shattering of clods, preparing seed bed, burial of organic substances & remains of previous crop.
- Easily mounted and attached with any tractor model.



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SPECIFICATIONS :

- Size Available in : 6', 7', 8', 9'
- Seed Metering Mechanism : Fluted Roller
- Fertilizer Metering Mechanism : Fluted Roller
- Blade Material & Type : Boron Steel (LC Type)

FEATURES

- Suitable for wheat.
- Combines rotary tillage and seeding in a single operation.
- Performs tillage, seed , and fertilizer spreading application simultaneously.



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SPECIFICATIONS :

- Tractor HP : 35-40 HP
- Bearing Hub : 2
- No. of Disc : 2
- Disc Dia Size : 26 inches (high quality steel disc)
- Heavy Duty Bearings & hubs .
- Heavy Duty Tabular Box frame.
- Heavy Duty Three Pint Linkage.
- Adjustable Cutting Width.

FEATURES

- Used for making bunds .
- Parking stand provided.
- The discs allow ridges to penetrate even in the toughest land.
- The Discs are adjustable along the frame to vary bund width & height .
- Used for sowing of crops, water management while also acting as walking paths and even boundaries in the field.



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THANK YOU